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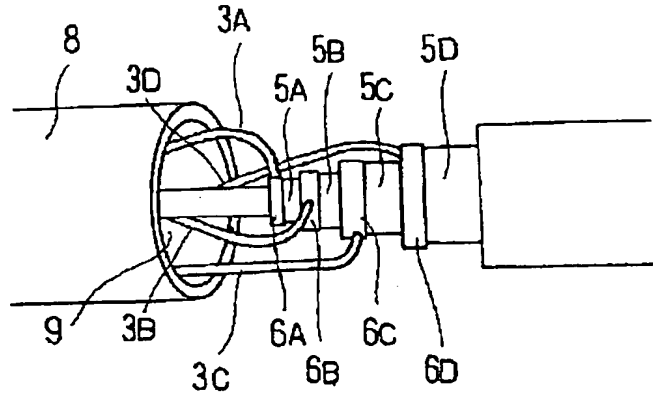
APPLICATION DATE : 24-06-99
APPLICATION NUMBER : 11178587

APPLICANT : SUMITOMO ELECTRIC IND LTD;

INVENTOR : HARADA MAKOTO;

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TITLE : SUPERCONDUCTING CABLE
CONNECTION PART



ABSTRACT : PROBLEM TO BE SOLVED: To provide a superconducting cable connection part not requiring consideration of channeling prevention measures in the cable itself.

SOLUTION: In this superconducting cable connection part, a multilayer superconductor of a superconducting cable is connected to a normal conductor and is extracted from a cryogenic part to a normal temperature part. Normal conductive extraction wires 3A-3D are independently connected to respective layers 5A-5D of the multilayer superconductor. Because inductance adjustment can be executed at extraction ends corresponding to the respective layers 5A-5D of the superconductor to take channeling measures, it is not necessary to take channeling measures such as winding pitch adjustment of the conductor in the superconducting cable itself.

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